Release A CDR RID Report

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Document CDR

RID ID CDR 58

Review SDPS/CSMS

Originator Ref DPR (Data Processing

Priority 2

Section Planning and Data Processing   **Page** KL-6   **Figure Table** NA

Category Name Planning (PLS) Design and Processing (DPS) Design   **Actionee** ECS

Sub Category

Subject Controlling a PGE execution with a DPR (Data Processing Request)

Description of Problem or Suggestion:

It is my understanding that the files required for a particular execution of a PGE are determined through the use of the DPR which creates the PCF (Process Control File) for a particular PGE execution. The problem is that the DPR is also used for planning which needs to be in advance possibly by days of the actual PGE execution. Some PGE's input files and possibly parameters need to be determined in real time as a result of previous PGEs or what ancillary datasets are available and best suited for this particular run. In fact, an instrument team PGE may need to run just ahead of the PGE scheduled to fill in the correct options and files. We need this flexibility.

Routinely, for example, some "land" processes may not run if there is no land. The same is true for the "oceans". In the DPR scenario, how is this accommodated? It would be wasteful to stage all the required datasets when they are not needed.

Having the DPR be part of the planning, ingest and then processing process suggests a need for allowing users ability to modify it at each stage.

Originator's Recommendation

Allow the user more control over required,late changes in the PCF database. Also allow user software to run as part of the ingest process.

GSFC Response by: **GSFC Response Date**

HAIS Response by: Mark Shannon   **HAIS Schedule** 9/13/95

HAIS R. E. Mark Shannon   **HAIS Response Date** 9/29/95

The description contained in the RID which identifies the processing required to execute a PGE is correct, but the scenarios described in the RID for using different input data or ancillary data based on the execution of a previous PGE or the use of user software in the Ingest process are not supported or required to support Release A production. During the release A time frame, most, if not all, information associated with a PGE and Data Processing Request is static. Using the AHWGP PGE activation rules which are required for CERES and other release A Instruments, this is all that is required. One exception to the above case has been agreed upon for Release A. The ability of a PGE to be re-run with a Debug or Diagnostic flag set to capture more data would be supported. Any other user parameter information can only be modified through manual intervention.

The AHWGP PGE activation rules for MODIS type processing are Release B PDPS requirements. Information describing Release B PDPS preliminary design capabilities will be documented in the Release B IDR version of DID 305. The preliminary design for Release B PDPS will be presented in October and detailed later in the Release B CDR showing how PDPS is being designed to meet the MODIS activation rules as identified by the AHWGP.

Status **Closed**   **Date Closed** **10/12/95**   **Sponsor** **Kempler**

****** **Attachment if any** ******